

A method at a telecommunications system and a data communications system configured to adapt a resource reservation protocol for fixed networks to radio networks with a large variation in bandwidth and quality. Using a method of hierarchical coding, a data stream is divided into separate data streams with different priorities. Using the resource reservation protocol, resources in the fixed network for the data streams are reserved. A node in the fixed network shunts the data streams according to a pre-decided priority as the transmission capacity of the node decreases. Thus, if the transmission capacity at the node decreases and the quality requirement of a data stream cannot be maintained, the data stream in question is shunted. Upon shunting, the node transmits a message instructing upstream nodes to update their resource reservations; use the reserved resource temporarily for other traffic; and shunt the data stream until otherwise instructed.

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